



# ENGINEER UPDATE

Commercial numbers are (573) 563-xxxx and Defense System Network (DSN) numbers are 676-xxxx unless otherwise noted.

**Urban Mobility Breaching Course (UMBC).** The UMBC is a 3-week course conducted at Camp Lejeune, North Carolina, by the United States Marine Corps, with assistance from three United States Army engineers. Two weeks of the course are consolidated training, and the remaining week is Army-unique. The maximum Army course load for the UMBC is 15 students. Slots for the course can be reserved through the Army Training Requirements and Resources System (ATRRS).

The UMBC provides advanced information on urban breaching operations. The course consists of in-depth explosive theory; detailed planning that combines operational and training safety issues; urban reconnaissance; and employment of urban breaching assets, including explosive, manual, and ballistic breaching techniques for urban operations. The UMBC teaches the use of Current Force equipment that supports mobility operations in support of the maneuver force.

Students must meet requirements listed in Department of the Army Pamphlet 611-21, *Military Occupational Classification and Structure*, and Army Regulation 600-9, *The Army Weight Control Program*; be a combat engineer noncommissioned officer in the grade of E-5 (P) through E-7 and a graduate of the combat engineer Basic Noncommissioned Officer Course (BNCOC); have no

pending Uniform Code of Military Justice (UCMJ) actions; and have no limiting profiles.

Fiscal Year 2006 Class Schedule		
Class Number	Report Date	Graduation Date
01-05	16 Oct 05	4 Nov 05
02-05	27 Nov 05	16 Dec 05
03-05	22 Jan 06	10 Feb 06
04-05	26 Feb 06	17 Mar 06
05-05	4 Jun 06	23 Jun 06
06-05	13 Aug 06	1 Sep 06
07-05	10 Sep 06	29 Sep 06

The point of contact for this course is the Directorate of Training and Leader Development (DOTLD) Sergeant Major at (573) 563-4094 or e-mail <[atsedot@wood.army.mil](mailto:atsedot@wood.army.mil)>. The DOTLD Web site is at <<http://www.wood.army.mil/dotld/>>.

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**Center for Engineer Lessons Learned (CELL).** The United States Army Engineer School CELL needs your help. To keep training, doctrine, and combat developments current and to prepare for the future, it is critical that the school continuously receive relevant engineer observations, insights, and lessons (OIL). The CELL can derive information from a variety of sources: unit after-action reports (AARs); tactics, techniques, and procedures (TTP) used by units in and returning from theater; Soldier observations/submissions to the Engineer School; and requests-for-information (RFIs).

This information is used to conduct doctrine, organization, training, material, leadership and education, personnel, and facilities (DOTMLPF) gap analyses and

to determine solutions. These solutions are distributed to the Engineer Regiment via new doctrine and training products, *Engineer* (The Professional Bulletin of Army Engineers), and other publications, Web sites, and by answering RFIs. (The Engineer School RFI Web site provides the Engineer Regiment a reach-back capability.)

You can help by forwarding any of these materials from your unit's deployment to the CELL point of contact. Unclassified information can be sent by e-mail to <[Doctrine.Engineer@wood.army.mil](mailto:Doctrine.Engineer@wood.army.mil)> or <[reggie.snodgrass@us.army.mil](mailto:reggie.snodgrass@us.army.mil)>. Classified information can be sent by secret Internet protocol, routed (SIPR) e-mail to <[snodgrassrg@monroe.army.smil.mil](mailto:snodgrassrg@monroe.army.smil.mil)>. For more information, call (573) 563-4117.

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**Visual Archive.** The History Office at the Engineer School is developing a visual archive. It currently has more than 18,000 photographs, largely from World War II and Korea. Units that would like to contribute photographs (copies) or other visual material should contact Dr. Larry

Roberts, Historian, United States Army Engineer School, Fort Leonard Wood, Missouri 65473. Where possible, caption information should accompany the images. If you have questions, call Dr. Roberts at (573) 563-6109.

**Reserve/National Guard Instructor/Writers Needed.** The Reserve Component Captain's Career Course at the United States Army Engineer School, Fort Leonard Wood, Missouri, currently has instructor/writer positions open for Reserve/National Guard members.

These are Individual Mobilization Augmentee (IMA) positions and allow for annual training as well as drill time. The positions open are for engineers in the rank of O-3 and O-4. For more information, e-mail <tim.obrien1@us.army.mil>.

**Personal Role Radio (PRR).** Situations occasionally dictate the need for construction equipment operators to have communication capability with a Soldier on the ground. This is especially true when operating a system that is equipped with add-on armor. One solution is the

PRR, which is already being used by multirole bridge companies when employing dry support bridges. The PRR is available for units to order through the General Services Administration (GSA) (refer to the table below).

Personal Role Radio Capabilities		
North Atlantic Treaty Organization (NATO) Stock Number	Product Code	Description
5820-99-721-8335	P21050000	<i>PRR Body (Green) Complete – English</i> The PRR body is complete with an antenna and an English user card. Must be used with single or dual push-to-talk (PTT) switch assembly. Requires two AA batteries (included).
5820-99-739-4033	P08130000	<i>Single PTT Switch Assembly (Green)</i> The single PTT switch assembly is for use with the PRR body.
5820-99-342-4097	P08120000	<i>Remote Wireless PTT (Green)</i> The wireless PTT remotely operates the PRR. Supplied with a black adjustable strap and buckle.
5820-99-280-7276	P14360408	<i>CT/Light Patrol Headset (Green) – Noise-Canceling (NC) Electret Microphone</i> The vented, single-sided headset has an NC Electret microphone fitted to a flexible boom arm. Fitted with an adjustable headband, the headset can be worn underneath most passive ear defenders.
5965-99-664-9722	P07100000	<i>Nuclear, Biological, or Chemical (NBC) Boom Microphone Adapter</i> The adapter is for use with most Davies headset models. One end fits over the headset's boom microphone and the other end plugs into the respirator's speech module.
5820-99-425-3999	C410114	<i>Carry Pouch (Green) – United Kingdom (UK) Pattern Disruptive Pattern Material (DPM)</i> The PRR fits inside a heavy-duty polyurethane, textured nylon pouch that attaches to webbing and helps protect the PRR from harsh conditions/impact.

For more information, contact the MANSCEN Futures Center, Engineer Division, at <bryan.k.barwick@us.army.mil> or call (573) 563-7992.